

Title (en)  
TANGENTIAL FILTRATION DEVICE

Title (de)  
TANGENTIALFILTRIERVORRICHTUNG

Title (fr)  
DISPOSITIF DE FILTRATION TANGENTIELLE

Publication  
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Application  
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Abstract (en)  
[origin: WO2008009848A2] The present invention relates to a device for tangential filtration of a fluid to be treated and to be separated into a filtrate and a retentate, comprising at least one filtration element which comprises at least one inlet for a fluid to be filtered and at least one outlet for the retentate having circulated the filtration element, wherein said element is incorporated in a circulation loop so that at least a part of the retentate is reinjected into the fluid to be treated before being introduced into the filtration element. a module of filtration into which the circulation loop is integrated and realized by a series of filtration elements in forward direction and a series of filtration elements in backward direction, forming forward (A) and backward (R) circuits. At least one probe for detecting information which is characteristic for the fluid to be filtered and representative for the risks of gelification of the fluid to be filtered in the filtration element(s) and/or for the risks of total obstruction of the filtration element(s).

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